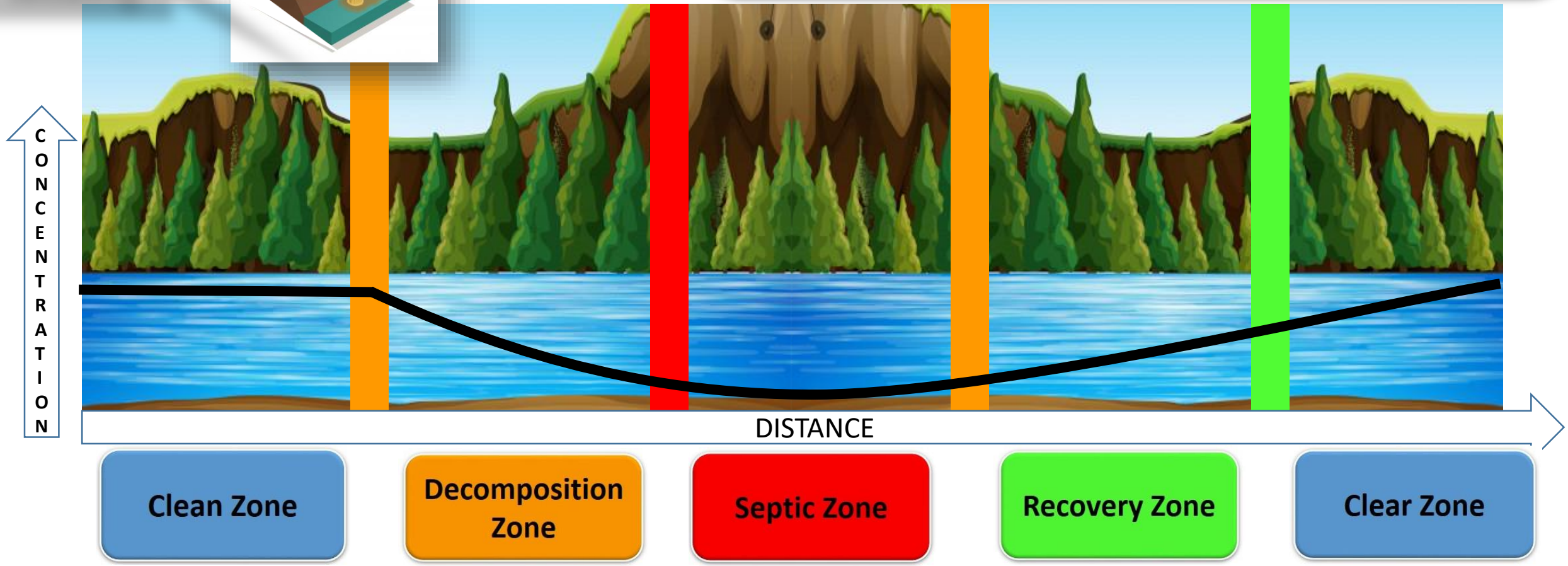
Waste Generation Source

Point of Mixing

Simplified Learning's Interactive Sheets
Subject: Wastewater Engineering
Topic: DO Sag Curve

Note: Click on name of the zone to know about it in detail. Use landscape mode in Adobe PDF viewer and enable Page by Page view for best experience.



Clean Zone:

1. **Stream is saturated with oxygen**
2. **No mixing of waste yet means no concentration of degradable waste**
3. **Clean ecosystem with abundance of aquatic Flora and Fauna**

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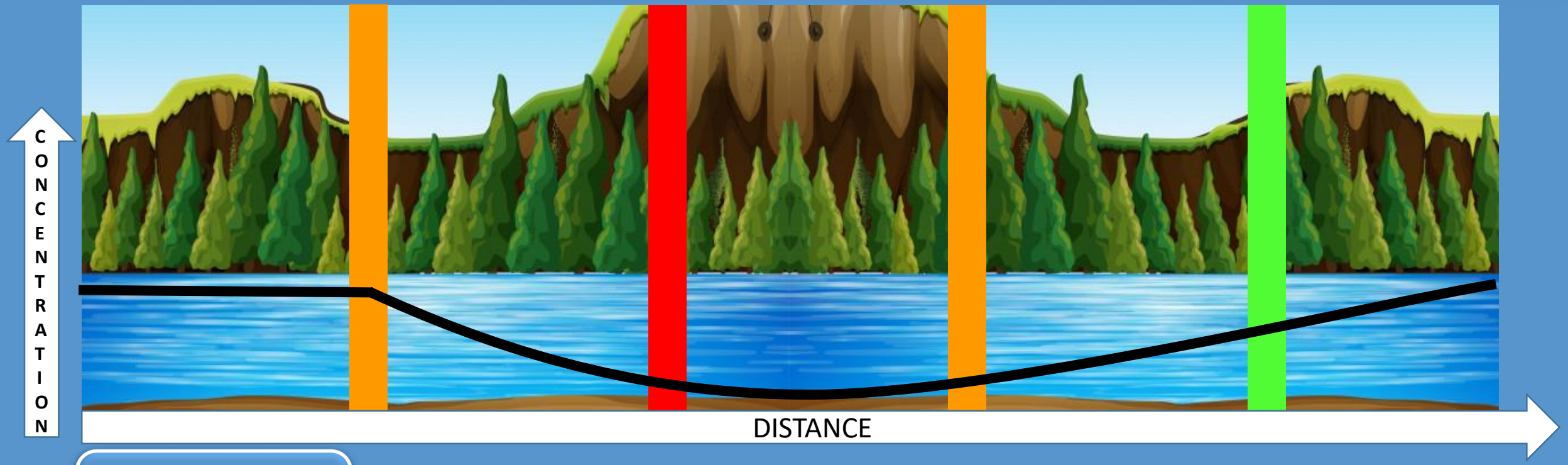

Clean Zone

Decomposition Zone:

1. The exact point where stream receives wastewater
2. DO levels fall to 40% and colour of water turns dark
3. CO_2 levels in water rise and conditions for aquatic animals become unfavourable

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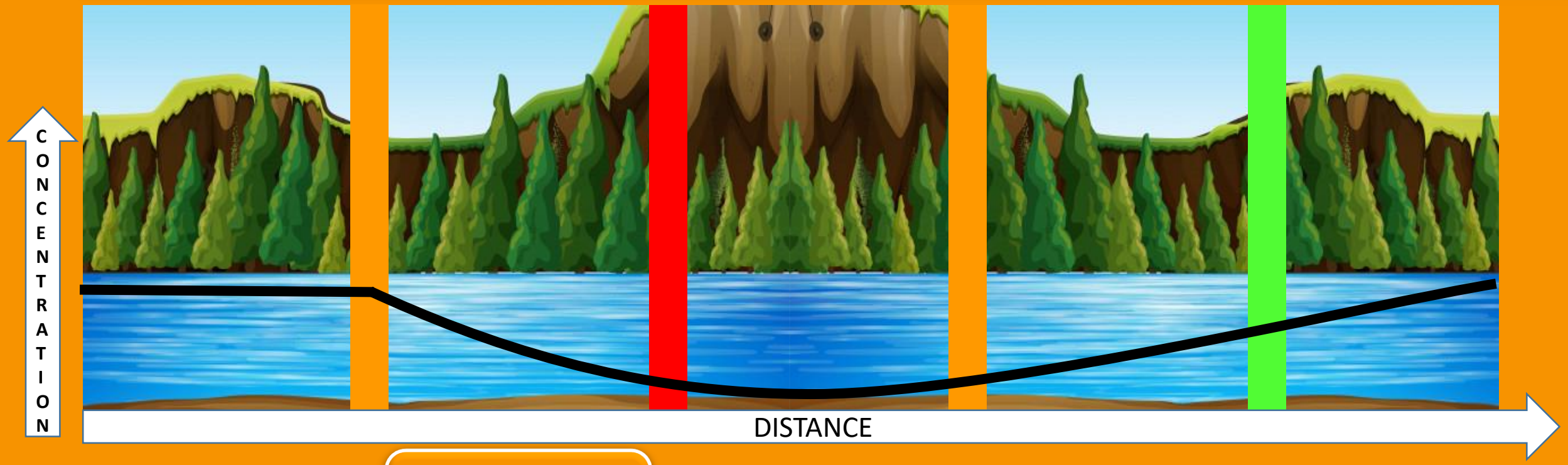

Decomposition Zone

Septic Zone:

1. DO level falls to almost zero
2. Colour of water gets darker
3. No aquatic animals or living things thrive in this zone

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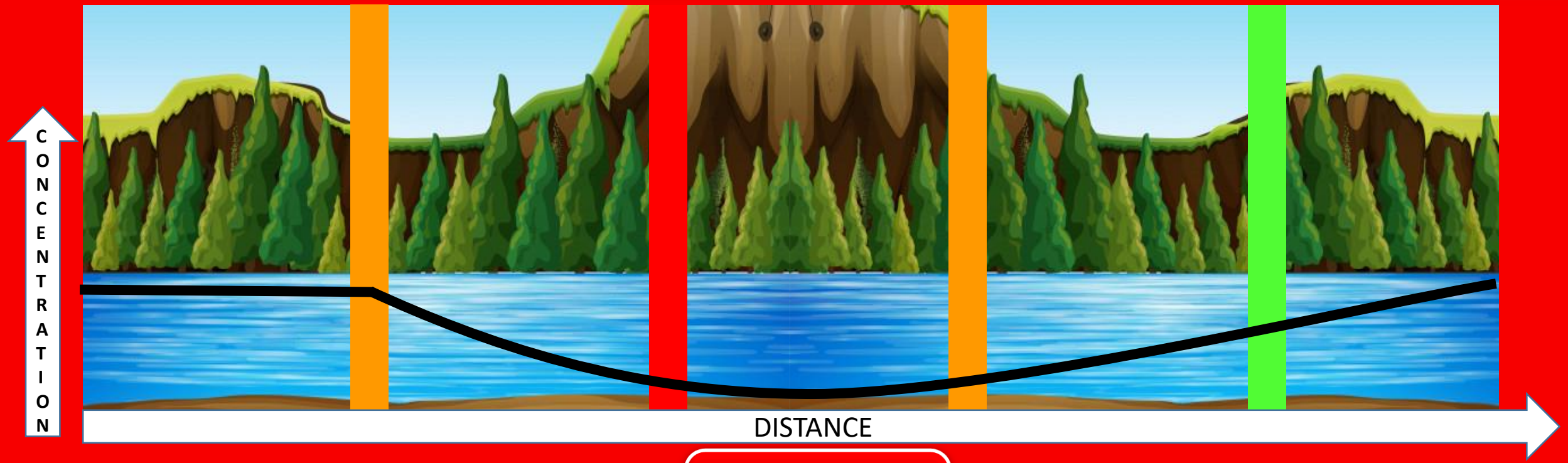

Septic Zone

Recovery Zone:

1. DO levels start rising up to 40% in this zone
2. Organic matter stabilizes in this zone
3. At the end of this zone aquatic life starts appearing

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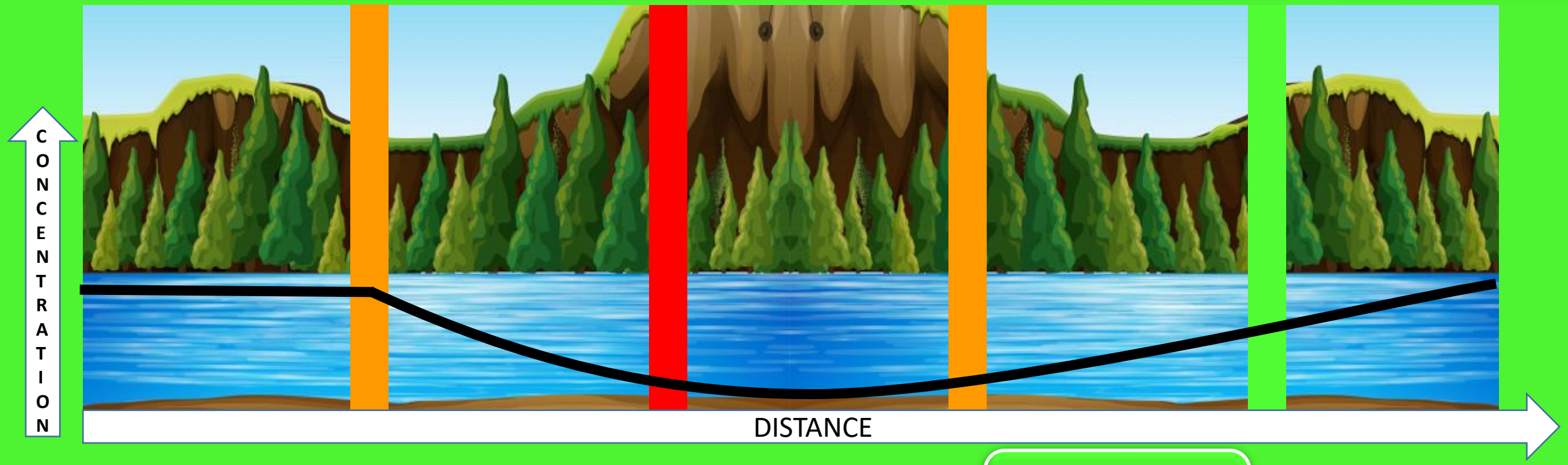

Recovery Zone

Clear Zone:

1. This is the zone of complete recovery
2. DO levels come back to normal and oxygen balance is maintained
3. Water appears normal as it was previously before mixing of wastewater

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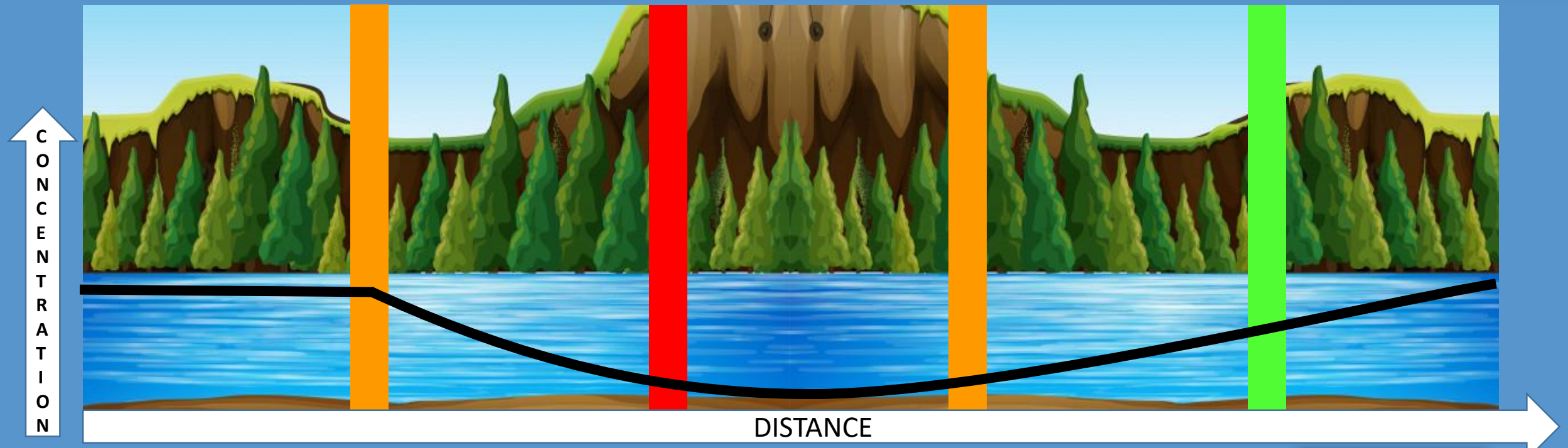

Clear Zone